Module Assessment Questions

1. When overrun is increased from 50% to 100% in an ice cream, do you expect the freezing time to
   - Decrease by 25%
   - Decrease by 50%
   - Increase by 25%
   - Increase by 50%
   - Increase by 100%
   - Increase by 200%

   Provide reasoning to your answer:

2. When the water content is increased by about 15%, as in going from ice cream (63.5%) to sorbet (77.5%), would the freezing time
   - Increase by 15%
   - Increase by 30%
   - Increase by >40%

   Provide reasoning to your answer:

3. When the sugar content is also increased from 15% to 22% (as it is supposed to be in sorbet), in addition to water content increase as in #2 above, would the freezing time
   - Remain the same
   - Increase
   - Decrease

   Provide reasoning to your answer:

4. Does freezing progress uniformly from outside to inside, i.e., is the depth of material frozen proportional with time?
Module Assessment Questions continued

1. What did you like about using the simulation module? Details, please.

2. What was the most difficult or frustrating part of using the simulation module? Details, please.

3. Do you feel the simulation module helped in your understanding (over what you already knew)?